

Contents

Economic Botany Volume 58 Number 1

- 3 Introduction of 2003 Distinguished Economic Botanist, Professor Daniel Zohary. *Barbara Pickersgill.*
- 5 Unconscious Selection and the Evolution of Domesticated Plants. *Daniel Zohary.*
- 11 COVER ARTICLE: Indigenous Cultivation and Conservation of Totora (*Schoenoplectus californicus*, Cyperaceae) in Peru., *Sandra Anne Banack, Xanic J. Rondón, and Wilfredo Díaz-Huamanchumo.*
- 21 Ethnobotanical Investigation of the Acjachemen Clapperstick from Blue Elderberry, *Sambucus mexicana* (Caprifoliaceae). *Michael Walker, Jacque Nunez, Marion Walkingstick, and Sandra Anne Banack.*
- 25 Manufacturing Procedures and Microbiological Aspects of Parakari, A Novel Fermented Beverage of the Wapisiana Amerindians of Guyana. *T. W. Henkel.*
- 38 Conservation of Useful Plants: An Evaluation of Local Priorities from Two Indigenous Communities in Eastern Panama. *Sarah Paule Dalle, and Catherine Potvin.*
- 58 The Use of Tropical Forest (Agroecosystems and Wild Plant Harvesting) as a Source of Food in the Bribri and Cabecar Cultures in the Caribbean Coast of Costa Rica. *Carlos Ramos García-Serrano, and Juan Pablo Del Monte.*
- 72 Ethnobotanical Knowledge of *Brosimum Alicastrum* (Moraceae) among Urban and Rural El Salvadorian Adolescents. *Suzanne Yates, and Carlos R. Ramírez-Sosa.*
- 78 Post-Harvest Growth of Lechuguilla (*Agave lecheguilla* Torr., Agavaceae) in Northeastern Mexico. *Marisela Pando-Moreno, O. Eufrazio, E. Jurado, and E. Estrada.*
- 83 Use and Availability of Craft Vines in the Influence Zone of the Biosphere Reserve Sian Ka'an, Quintana Roo, Mexico. *M.M. Martínez-Romero, A.E. Castro-Ramírez, P. Macario, and J.C. Fernández.*
- 98 Neem, *Azadirachta indica* A. Juss. (Meliaceae), and Its Potential for Sustainable Woodcarving in Kenya. *Alex O. Obara, Martina G. Höft, and Robert Höft.*

Botanical Notes

- 112 The Utilization of Edible *Canna* Plants in Southeastern Asia and Southern China. *Nobuyuki Tanaka.*
- 114 *Cleyera japonica* Thunb. var. *wallichiana* (DC.) Sealy (Theaceae): A Tea-beverage Plant of the Himalayas. *R. P. Chaudhary, V. N. P. Gupta, and R. S. L. Taylor.*
- 118 Book Reviews

Contents

Economic Botany Volume 58 Number 2

- 135 COVER ARTICLE: Eroding Knowledge: An Ethnobotanical Inventory in Eastern Amazonia's Logging Frontier. *Patricia Shanley and Nelson A. Rosa.*
 - 161 Community Participation in Preservation of Lowcountry South Carolina Sweetgrass (*Muhlenbergia filipes* (M.A. Curtis) J. Pinson and W. Batson) Basketry. *Zachary H. Hart, Angela C. Halfacre, and Marianne K. Burke.*
 - 184 Domestication Process of Two *Solanum* Section *Lasiocarpa* Species among Amerindians in the Upper Orinoco, Venezuela, with Special Focus on Piaroa Indians. *Gabriele Volpato, Rossella Marcucci, Noemi Tornadore, and Maurizio G. Paoletti.*
 - 195 Effects of Some Mineral Nutrients on Gibberellic Acid Levels in Maize Plants (*Zea mays* L.). *Peyami Battal.*
 - 204 Genetic Variation of Cassava (*Manihot esculenta* Crantz) Cultivated by Chibchan Amerindians of Costa Rica. *Maria E. Zaldivar, Oscar J. Rocha, Gabriel Aguilar, Luis Castro, Emilio Castro, and Ramiro Barrantes.*
 - 214 Knowledge and Use of Fungi by a Mycophilic Society of the Venezuelan Amazon. *Egleé L. Zent, Stanford Zent, and Teresa Iturriaga.*
 - 227 A Comparative Study of Sulphur Content of Some *Allium* L. Species. *Rosa Muoio, Paolo Casoria, and Bruno Menale.*
 - 231 Wild Herb Use in Bulgaria. *Kerry Ploetz and Blair Orr.*
 - 242 Genetic Diversity of Traditional South American Landraces of Cassava (*Manihot esculenta* Crantz): An Analysis Using Microsatellites. *Marianne Elias, Gilda Santos Mühlen, Doyle McKey, Ana Carolina Roa, and Joe Tohme.*
 - 257 Rosewood Exploitation in the Brazilian Amazon: Options for Sustainable Production. *Peter H. May and Lauro E.S. Barata.*
 - 266 Subsistence Strategies of an Indigenous Minority in the Philippines: Nonwood Forest Product Use by the Tagbanua of Narra, Palawan. *Celeste Lacuna-Richman.*
 - 286 Wild Edible Plants of the Sikkim Himalaya: Nutritive Values of Selected Species. *Manju Sundriyal and R. C. Sundriyal.*
 - 300 Wild Edible Plants of the Sikkim Himalaya: Marketing, Value Addition and Implications for Management. *Manju Sundriyal and R. C. Sundriyal.*
- ## Botanical Notes
- 172 Development of Natural Products Research at University of Mississippi. *Norman J. Doorenbos.*
 - 179 Notes on *Zombia antillarum*. *Fabienne Boncy Taylor and Joel C. Timyan.*
- ## Departments
- 316 Book Reviews

Contents

Economic Botany Volume 58 Number 3

- 329 COVER ARTICLE: History and Lore of Sesame in Southwest Asia. *Dorothea Bedigan*.
- 354 Intraspecific Diversity and Morpho-Phenological Variation in *Phaseolus Lunatus* L. from the Yucatan Peninsula, Mexico. *Jaime Martínez-Castillo, Daniel Zizumbo-Villarreal, Hugo Perales-Rivera, and Patricia Colunga-Garcámarín*.
- 381 Ethnobotany of *Pru*, A Traditional Cuban Refreshment. *Gabriele Volpato and Daimy Godínez*.
- 396 The Ethnobotany of *Fagraea* Thunb. (Gentianaceae): The Timber of Malasia and the Scent of Polynesia. *Timothy J. Motley*.
- 410 The Social Context for Harvesting *Irriarteia deltoidea* (Arecaceae). *Patti J. Anderson*.
- 420 Cultivated Plant Species Diversity in Home Gardens of an Amazonian Peasant Village in Northeastern Peru. *Oliver T. Coomes and Natalie Ban*.
- 435 Allozyme, Morphological and Nutritional Analysis Bearing on the Domestication of *Momordica charantia* L. (Cucurbitaceae). *Kendrick L. Marr, Xia Yong Mei, and Nirmal K. Bhattarai*.
- 456 Ethnobotany of *Sambucus nigra* L. in Catalonia (Iberian Peninsula): The Integral Exploitation of a Natural Resource in Mountain Regions. *Joan Vallés, Maria Angels Bonet, and Antoni Agelet*.
- 470 The Uses of *Atuna racemosa* Raf. (Chrysobalanaceae) in Samoa. *Ghilean T. Prance*.
- 476 Using Suitable Projects in Adding Value to Nonwood Forest Products in the Philippines: The Copal (*Agathis philippinensis*) Trade in Palawan. *Celeste Lacuna-Richman*.

Departments

- 486 Book Reviews

Contents

Economic Botany Volume 58 Number 4

- 501 COVER ARTICLE: Discovery and Genetic Assessment of Wild Bottle Gourd [*Lagenaria Siceraria* (Mol.) Standley; Cucurbitaceae] from Zimbabwe. Deena S. Decker-Walters, Mary Wilkins-Ellert, Sang-Min Chung, and Jack E. Staub.
 - 509 Archaeological Evidence of Cherimoya (*Annona cherimolia* Mill.) and Guanabana (*Annona muricata* L.) in Ancient Peru. Duccio Bonavia, C.M. Ochoa, Ó. Tovar S., and R. Cerrón Palomino.
 - 523 *Schinus molle* L. (Anacardiaceae) Chicha Production in the Central Andes. David John Goldstein, and Robin Christine Coleman.
 - 530 Chemical Composition and Current Distribution of "Azafrán de Bolita" (*Ditaxis heterantha* Zucc; Euphorbiaceae): A Food Pigment Producing Plant. Méndez-Robles, Ma. Dolores, Claudia Flores-Chavira, Ignacio Orozco-Ávila, Eugenia Lugo-Cervantes, and Ma. Eugenia Jaramillo-Flores.
 - 536 Evaluation of the Bromatological Potential of Seeds and Fruits of *Sabal mexicana* Mart. (Arecaceae). Silvia Olvera-Fonseca..
 - 544 Natural Rubber, *Hevea brasiliensis* (Willd. ex A. Juss.) Müll. Arg., Germplasm Collection in the Amazon Basin, Brazil: A Retrospective. Oghe-nekome U. Onokpise.
 - 556 Development of a Sorghum Core Collection: Refinement and Evaluation of a Subset from Sudan. J.A. Dahlberg, J.J. Burke, and D.T. Rosenow.
 - 568 Genetic Diversity of Darnel (*Lolium temulentum* L.) in Malo, Ethiopia Depends on Traditional Farming Systems. Takayuki Senda, and Tohru Tominaga.
 - 578 Local Use and Cultural and Economic Value of Products from Trees in the Parklands of the Municipality of Cinzana, Mali. Gunnar Gustad, Shivcharn S. Dhillion, and Daouda Sidibé.
 - 588 Nutritional Values and Indigenous Preferences for Shea Fruits (*Vitellaria paradoxa* C.F. Gaertn. F.) in African Agroforestry Parklands. Steven Maranz, Zeev Wiesman, Bishnu Chapagain, Walter Mawuli Kpikpi, and Armelle de Saint Sauveur.
 - 601 Processing *Metroxylon sagu* Rottboell (Arecaceae) as a Technological Complex: A Case Study from South Central Seram, Indonesia. Roy Ellen.
 - 626 Dietary Use of Wild Plant Resources in the Sikkim Himalaya, India. Manju Sundriyal, R.C. Sundriyal and E. Sharma.
 - 639 Micromorphological Characterization of Ten Mulberry Cultivars (*Morus* spp.). Magda Biasiolo, Maria Teresa Da Canal, and Noemi Tornadore.
 - 647 Wild Vegetable Resources and Market Survey in Xishuangbanna, Southwest China. Xu You-Kai, Tao Guo-Da, Liu Hong-Mao, Yan Kang-La, and Dao Xiang-Sheng.
 - 668 Huckleberry Abundance, Stand Conditions, and Use in Western Oregon: Evaluating the Role of Forest Management. Becky K. Kerns, Susan J. Alexander, and John D. Bailey.
- ## ETHNOBOTANY IN TURKEY
- 579 Morphological and Anatomical Studies on Economically Important *Empetrum nigrum* L. subsp. *hermaphroditum* (Hagerup) Bocher (Empetraceae). Yasin Altan, and Canan Özdemir.
 - 584 The Use of Wild Edible Plants in Western and Central Anatolia (Turkey). Yunus Dogan, Suleyman Baslar, Gungor Ay, and Hasan Huseyin Mert.
 - 591 Ethnobotanical Studies in the Villages of the District of Ilca (Province Erzurum), Turkey. Ufuk Özgen, Yusuf Kaya, and Maksut Coşkun.

- 697 Ethnobotanical Aspects of Some Taxa in East Anatolia, Turkey. *Fevzi, Özgökçe, and Hasan Özçelik.*
- 705 An ethnobotanical survey of the Bey-pazari, Ayas, and Gündül District towns of Ankara province (Turkey). *Isil Simsek, Fulya Aytekin, Erdem Yesilada, and /Sinasi Yıldırımli.*
- 721 Agronomical and Chemical Characterization of Spearmint (*Mentha spicata* L.) Originating in Turkey. *Isa Telci,, Nermin (Incekara) Sahbaz, Gungor Yilmaz, and Mehmet E. Tugay.*

BOTANICAL NOTES

- 729 The Ethnobotany of Copaiba (*Copaifera*) Oleoresin in the Amazon. *Campbell Plowden.*

- 733 Identification of the Rose, Sage, Iris, and Lily in the "Blue Bird Fresco" from Knossos, Crete (ca. 1450 B.C.E.). *Arthur O. Tucker.*
- 736 Araliaceae Species used for Culinary and Medicinal Purposes in Niigata-ken, Japan. *David Eric Brussell.*

DEPARTMENTS

- 740 Book Reviews
- 750 Books Received
- 754 Index to Volume 58: Book Reviewers
- 755 Index to Volume 58: Book Reviews
- 759 Index to Volume 58: Authors and Titles of Papers
- 763 Index to Volume 58: Subjects
- 766 Manuscript Reviewers: 2004

Contents

Economic Botany Volume 58 Supplement

- S3 Slimy Leaves and Oily Seeds: Distribution and Use of Wild Relatives of Sesame in Africa. *Dorothea Bedigian*.
- S34 *Prosopis africana* (Mimosaceae): Stem, Roots, and Seeds in the Economy of the Savanna Areas of Nigeria. *D. A. Agboola*.
- S43 Identification and Quantification of Edible Plant Foods in the Upper (Nama) Karoo, South Africa. *Dawn Youngblood*.
- S66 Ethnobotany and Sustainable Utilization of Natural Dye Plants in Sierra Leone. *Cyrus MacFoy*.
- S77 Rattan, Rubber or Oil Palm: Cultural and Financial Considerations for Farmers in Kalimantan. *Brian Belcher, Rujehan, Ndan Imang and Ramadhani Achdiawan*.
- S88 Protection from UV Radiation in the Economic Crop, *Opuntia* Spp. *Charles S. Cockell, Joe Berry, Adrian Southern, Alesha Herrera, and Charles Yackulic*.
- S101 Domestication of Plants in Maya Lowlands. *Patricia Colunga-GarcíaMarín and Daniel Zizumbo-Villarreal*.
- S111 Edible Wild Mushrooms of the Cofre De Perote Region, Veracruz, Mexico: An Ethnomycological Study of Common Names and Uses. *Mary Claire Jarvis, Ann Marie Miller, Jamie Sheahan, Kerry Ploetz, Jeff Ploetz, Robin Ready Watson, Mario Palma Ruiz, Carlos Andres Pascario Villapan, Juventino García Alvarado, Armando López Ramírez, and Blair Orr*.
- S116 Development of Tissue Culture Methods for the Rescue and Propagation of Endangered *Moringa* Spp. Germplasm. *Katherine K. Stephenson and Jed W. Fahey*.
- S125 Small-Grained Wild Grasses as Staple Food at the 23 000-Year-Old Site of Ohalo II, Israel. *Ehud Weiss, Mordechai E. Kislev, Orit Simchoni and Dani Nadel*.
- S135 A Test for Molecular Identification of Japanese Archaeological Beans and Phylogenetic Relationship of Wild and Cultivated Species of Subgenus *Ceratropis* (Genus *Vigna*, Papilionaceae) using Sequence Variation in Two Non-Coding Regions of the *TrnL* and *TrnF* Genes. *Azusa Yano, Kentaro Yasuda, and Hirofumi Yamaguchi*.
- S147 A Botanical Perspective on the Identity of Soma (*Nelumbo Nucifera* Gaertn.) Based on Scriptural and Iconographic Records. *Andrew McDonald*.

Special Section on Medicinal Plants

- S174 COVER STORY: Medicinal Plants of Mt. Pelion, Greece. *David Eric Brussell*.
- S203 A Medicinal Plant Collection From Montserrat, West Indies. *David Eric Brussell*.
- S221 The Ritual Use Of *Brugmansia* Species in Traditional Andean Medicine in Northern Peru. *Vincenzo De Feo*.
- S230 Contributions to the Antimicrobial Spectrum of Hop Constituents. *Vanita Srinivasan, Daniel Goldberg, and Gerhard J. Haas*.
- S239 Medicinal Plants Used to Treat Malaria in Southern Benin Notulae Florae Beninensis. *Merel Hermans, Akpovi Akoègninou, and L. Jos G. van der Maesen*.
- S253 An Ethnobotanical Study of Medicinal Plants Used by the Lisu People in Nujiang, Northwest Yunnan, China. *Huang Ji, Pei Shengji, and Long Chunlin*.
- S265 Plants Used Medicinally by Folk Healers of the Lahu People from the Autonomous County of Jinping Miao, Yao, and Dai in Southwest China. *Hu-Yin Huai and Sheng-Ji Pei*.
- S274 Exotic Botanicals in the Kallawayá Pharmacopoeia. *Kevin D. Janni and Joseph W. Bastien*.
- S280 The Inclusion of Recently Introduced Plants in the Hawaiian Ethnopharmacopoeia. *Christian T. Palmer*.
- S294 Forgetting the Forest: Assessing Medicinal Plant Erosion in Eastern Brazil. *Robert A. Voeks and Angela Leony*.
- S307 The Investigation of Euphorbiaceous Medicinal Plants in Southern China. *Xu Zeng Lai, Yu Bo Yang, and Xu Luo Shan*.

